NETWORK SECURITY ENGINEER

DISTINGUISHING FEATURES
The fundamental reason the Network Security Engineer position exists is to manage and assess security risk and violations with the City's computing systems, communications networks, and other data processing assets. This class is not required to supervise the work of others. Work is performed under general supervision of the Chief Information Officer.

ESSENTIAL FUNCTIONS

Establishes organizational policies and procedures related to information security.

Works to develop and promote a Citywide training program for security awareness. Conducts security risk assessments and security violation investigations and recommends action to be taken.

Develops information and works with staff to develop solutions to security problems. Consults and interfaces with systems engineers and application software staff on security issues and requirements.

Administers and monitors security software systems to ensure proper operation. Maintains security tables to assure compliance with established authorization and separation of duty controls.

Determines data ownership and responsibility. Establishes data security classifications. Coordinates security issues, concerns and potential problems with IS management, and Legal and City Auditor Departments

Demonstrates continuous effort to improve efficiency, streamline work processes, and work cooperatively and jointly with department personnel to accomplish objectives.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities
Knowledge of:

Management practices and procedures
Information Systems related terminology, practices and procedures
I.S. processes, regulations, codes, ordinances and terminology
Computer Operations management practices and procedures

Ability to:

Interpret City ordinances, rules and regulations, and make rational decisions in accordance with established policy.
Evaluate and resolve security related problems and issues.
Thorough working knowledge of MS Windows, UNIX, and TCP/IP network environments.

Review procedures and problems and develop solutions and new systems
Listen and communicate effectively with a diverse group of people

Establish and maintain effective working relationships with co-workers, supervisors, contractors, vendors, and the general public
Operate a PC to compose reports and correspondence
Understand and interpret City ordinances, stipulations, codes, policies and procedures and understand the logic behind them
Communicate effectively with the public, staff and co-workers
Study problems and develop innovative solutions; prepare and present effective written and oral reports

Education & Experience
Any combination of a Bachelor's degree in Computer Science or a related field with specialization in the area of computer operations and office automation. Requires a minimum of five years experience in inter-networking protocols and sound security practices. Must have experience with MS Windows, UNIX, and TCP/IP network environments. Industry recognized certifications such as CISSP or GIAC are highly desirable.

FLSA Status: Exempt   HR Ordinance Status: Unclassified